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P E T I T I O N

of the

M I N E S B A N D C L U B

of

C O L O R A D O S C H O O L O F M I N E S

to

K A P P A K A P P A P S I

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TO THE EXECUTIVE COMMITTEE AND THE CHAPTERS  
OF KAPPA KAPPA PSI

The need for another honorary fraternity on the campus of the Colorado School of Mines has long been recognized, and the recent growth of the school has made the need more evident.

The Band Club of the Colorado School of Mines was organized for the purpose of promoting good fellowship and scholastic standing among its members. Realizing the great value, both while in and after leaving college, of a strong feeling of friendship and brotherhood among the members, the organization was based along fraternal lines. High standards of conduct and scholarship, as well as an active interest in school affairs, have at all times been required of its members.

Since the organization of the Band Club, its members thought that the benefits of the society, both to the school and to the individual members would be greatly increased if they could affiliate with, and become a chapter of some strong national organization. Since deciding to petition Kappa Kappa Psi for a charter, the one object that the society has held in view has been to build up an organization that really merits the granting of a charter from Kappa Kappa Psi.

Believing that its ideals and purposes are in perfect accord with those of Kappa Kappa Psi, the Band Club petitions that it be granted a chapter of Kappa Kappa Psi.



*Geo. T. Hue*  
President

*Geo. W. Thomas*  
Secretary



## MINES SPIRIT

"MINES SPIRIT" is known thruout the central west. It is that rare essence of perseverance, courage, and self sacrifice, which is so much admired in the student body and so highly feared, by rival athletic teams. It is the thing that has kept "Mines" teams and "Mines" men fighting to the last, perhaps defeated but never beaten. It is something to be taken for granted rather than looked for in a "Mines" man.

It is therefore with pleasure that we present you herewith some information concerning our college. We hope that it may aid you in deciding the feasibility of establishing a chapter of Kappa Kappa Psi at the Colorado School of Mines.



## THE COLORADO SCHOOL OF MINES

### A Short Sketch

The early history of the school is almost legendary. The discovery of gold near Denver led the early prospectors up Clear Creek, past Golden, into the mountains of Clear Creek and Gilpin counties. Golden became the early metropolis of this region. The school had its inception in the need of early prospectors for mining knowledge. Consequently, by general consent, as it were, a portion of the receipts from the recording and sale of mineral claims was set aside for instruction in mining and assaying. Data as to the location, studies and finances are all absent. Only by tradition do we know of the existence of this seed from which the present School of Mines grew.

In 1868 Bishop Randall, of the Protestant Episcopal Church, conceived the plan of a great university at Golden, to include a school of mines. On the site of the present Industrial School for boys, Jarvie and Matthews Halls were erected. In 1870 the Territorial Legislature appropriated \$3,872 for a new building and Professor E. J. Mallet, a New York chemist, was employed as instructor in assaying and simpler chemical tests. In 1874 an appropriation of \$5,000 was made and the school was made and the school was transferred by Bishop Randall to the territorial authorities. In 1876 the school passed to the control of the new State of Colorado. Here occurs, as a trustee, the name of Capt. James. T. Smith, who served continuously till 1912, during which time his name as secretary appears on every diploma issued by the school. The first circular or catalog was prepared by Capt. E. L. Berthoud and Capt. James T. Smith and was printed in the office of the "Golden Transcript."

The year 1879 was a critical one, for in that year the first agitation to move the school to Boulder was begun. The agitation failed then, as it has failed at every successive recurrence since. These agitations, though disturbing, are complimentary to the School of Mines because its high academic standing, its international scope, and the prominence of its alumni, would, at any time, in the past or present, add lustre and renown to the State University. In this year, also the fifth of a mill tax levy was passed by the Legislature for the permanent support of the school. The total value of the school property was \$10,000; now it is more than three-quarters of a million. In this year (1879) the school was moved to the city of Golden, and on May 29th the Board of Trustees appropriated \$7,500 for a new building, the first to be erected on the new grounds.

In 1883 the first official recognition of athletics was made by the trustees by voting \$50 toward the equipment of a gymnasium. This consisted of the basement under the middle section of the present Chemistry building. Boxing was the only sport. The first formal commencement was held May 12, 1883. The year 1883 marks the close of the formation period of the history of the school and the beginning of the school as a high grade technical college, conferring full engineering degrees upon its graduates.



Colorado School of Mines  
A Short Sketch--2

The decisive action of the Board of Trustees to bring this about was the election of Dr. Paul Meyer as Professor of Mathematics, and Dr. Regis Chauvenet as President. Dr. Chauvenet continued as President until 1902, a period of 19 years, during which time the school developed from a small provincial school into a mining school of the highest class, with a world wide reputation.

The early athletics sports consisted only of foot racing, baseball and boxing. In the early eighties the school had excellent baseball teams, but no football. In 1887 C. Dupre Smith and Frank D. Aller, both former members of the football team of the East Side High School of Denver, organized the first collegiate football team. There were only six players in the school, so they borrowed five players from the East Denver High School. Thus, our first football team consisted of six Mines men, five high school boys, no substitutes, no coach, no trainer. The next year, however, three expert English players entered the school and our team was unbeaten for three years. Athletics under such conditions developed the traditional "Mines Spirit." The "Mines Spirit" of the team and of the rooters is a factor to be reckoned with in any athletic contest.

From 1890 the growth of the school was rapid. In that year another extension was made to the one building. In 1894 the Hall of Engineering was completed. The old name still hangs to it although at present it is devoted to chemistry. This group of buildings represents the "old school" as the earlier graduates remember it. The newer part of the school is represented by a second group, viz: Stratton Hall, erected in 1902; the assay laboratory erected in 1900 and enlarged in 1905; Simon Guggenheim Hall, the gift of Ex-Senator Guggenheim in 1906; the Power plant built in 1905; the Gymnasium in 1908; and the Experimental Plant in 1912.

At the close of 1912 the school was entirely free from debt for the first time in its history. Because of the tax levy upon the tax payers of the state, the generous appropriations of the Legislature, and the large tuition charged for enrollment, the school has remained free from debt and at the present time is in as strong a financial position as any school in the state.

In 1921 the school acquired one of the largest mining properties at Idaho Springs, Colorado. This is to be used as a practical mining laboratory. Already bids have been received from large schools in the East, such as Harvard, in regard to its use as a summer geological and mining camp. This shows the wonderful location of the school for practical mining and geological work.

The attendance of the school has steadily increased from six, in 1864 (when the school was established) to a present enrollment of 468. Although in 1920-21 the Colorado School of Mines had the largest attendance of any mining school in the world, yet quantity is not esteemed as highly as quality. A number of scholarships have been established, the holders



Colorado School of Mines  
A Short Sketch--3

of which are required to maintain a high scholastic standing. The newcomer is made to fully realize that Mines is a place "where men may work, not where boys may play." The student body is drawn from all parts of the United States, and foreign countries are well represented.

United States .....	438	Alaska .....	1
China .....	5	Hawaii .....	2
Mexico .....	6	Chile .....	3
Canada .....	2	Peru .....	2
Germany .....	1	Bolivia .....	1
Persia .....	1	Porto Rico .....	1
Russia .....	5	Siberia .....	1
Sweden .....	1	Austria .....	1
Venezuela .....	1	Armenia .....	1
Philippine Islands .....		2	

Thirty-three percent of the students at Mines attended other institutions of higher learning before coming to Golden.

The attendance and requirements for continuance in each class is regulated by high standards and enforcement of a minimum scholastic schedule, so that the students are of a very high grade.

Thus the history of the Colorado School of Mines emerges from a past filled with strenuous but successful efforts into a thriving present. We hope for, and predict, an even more successful future.

LOCATION The Colorado School of Mines is in the shadow of the Rocky Mountain foothills at Golden, Colorado. Here is the famous Lookout Mountain, upon which is the grave of "Buffalo Bill" (William F. Cody); and Mount Zion upon whose side is the huge white "M" of the school. The "M" may be seen for many miles before reaching Golden. The school is particularly fortunate in its natural surroundings and proximity to a rich, practical laboratory. In the immediate vicinity are numerous clay mines which produce pottery and fire clays; also there are found lime and stone quarries. Within a few miles are extensive coal mines, and the sites of dredging and placer operations. In Clear Creek Canyon, a short distance west of Golden, are the historic mining camps of Central City, Black Hawk, Idaho Springs, and Georgetown. The ores of this district vary from free milling quartz to complex silver-lead-zinc-ores. Farther west are the camps of Breckenridge, Montezuma, Kokomo and Robinson. To the west and southwest are the camps of Gilman, Leadville, Cripple Creek, Telluride, and Victor. The plant of the Colorado Fuel and Iron Company at Pueblo is the largest concern west of the Mississippi River, producing iron and steel. Smelting plants of the American Smelting and Refining Company and the United Zinc Company are also located at Pueblo.

The school is also fortunatley situated for geological study. The surrounding formations not only present the strikingly clear features of the west, but also occur in great profusion and variety. In addition certain features peculiar to this locality afford sufficiently complicated



Colorado School of Mines  
A Short Sketch--4

problems to be of great value to the student

SCHOOL ORGANIZATION The Colorado School of Mines is a state institution, and is recognized as such in the constitution of the State of Colorado. The school is supported by the income derived from an annual state tax of one mill. This is known as the "School of Mines Tax."

The governing body of the Colorado School of Mines is a Board of Trustees, composed of five members. The Governor of the State, with the advice and consent of the State Senate, appoints the members of the Board, each member holding office for a period of four years, at which time is either reappointed or his successor named.

BUILDINGS There are seven main buildings on the campus, and in addition there is a large Metallurgical and Research plant located on the banks of Clear Creek, several blocks from the campus proper. A branch of the Colorado and Southern Railroad connects this plant with the mining industry of Colorado and nearby states.

Simon Guggenheim Hall is the Administration Building and stands in the western portion of the campus. It is a gift of Ex-Senator Simon Guggenheim. The building is rectangular in shape and consists of three stories and a basement, which is used as a storeroom for minerals. The lower or first floor of the building contains the offices, lecture rooms and laboratories of the geological department, also a large public mineral museum.

The second floor contains the Library, the Offices of the President, Dean, and Registrar, and the Faculty and Trustee Room. The third floor contains the Assembly Hall, lecture rooms, and offices. The building is surmounted by a large ornate dome.

The Gymnasium which has been but recently constructed is close to Guggenheim Hall. These together with the tennis courts make up the western portion of the campus. The first floor of the Gymnasium contains the Integral club, which is open to the student body, and several other club rooms. The Gymnasium proper is on the second floor. The boxing, wrestling, shower and locker rooms are in the basement, which also contains a large swimming pool.

The central southern group of buildings is composed of the Power Plant, Assay Laboratory, and Stratton Hall.

Stratton Hall is rectangular in shape and has three floors. The basement contains metallurgical and electrical laboratories. The first floor is divided into offices and lecture rooms of the departments of mining and Metallurgy. The second floor contains the offices and lecture rooms of the department of Electrical and Civil Engineering. A large drawing laboratory occupies the third floor.

The Assay Laboratory and the Power Plant are adjacent to each other. They are one story brick buildings of large area. The assay laboratory is equipped with forty individual furnaces and large parting balance, and supply rooms. The Power Plant is designed to furnish heat and light to the school buildings and mill. The building is divided lengthwise into engine and boiler rooms. Being thoroughly equipped the plant serves the purpose of a Mechanical Engineering laboratory.



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A Short Sketch--5

The Hall of Chemistry and Hall of Engineering are the oldest buildings on the campus and comprise the southern group of buildings. The Hall of Chemistry contains large chemistry laboratories, extensive lecture rooms and offices and on the lower floor a large well equipped physics laboratory. The third floor is devoted entirely to an extensive drawing room.

The Hall of Engineering contains advanced chemical, geological, and metallographical laboratories, several individual laboratories, and a radio station. The building consists of three stories.

The Metallurgical Research laboratory or mill is the largest plant of its kind in the United States and was constructed at a cost of One Hundred Thousand dollars. It is used not only as a laboratory for ore-dressing and metallurgy but also as a testing laboratory for the advancement of the mining industry.

FACULTY The faculty of the Colorado School of Mines is a large factor in making the school one of national prominence. Some of the most famous metallurgists, chemists, geologists, and mining men in the United States are either on the faculty or intimately associated with the school. It may be well to mention a few. Professor Albert H. Low, Sc. D. (Colorado School of Mines), B. S., (Mass. Inst. of Technology) is one of the best known analytical chemists in the country. His treatise on ore analysis is a text used by mine chemists all over the world. Professor W. A. Scott, Sc. D. (Colorado School of Mines), A. B., A. M., (Ohio Wesleyan Univ.), is the author of several books, one of which is a standard reference book for all chemists. Doctor F. M. Van Tuyl, A., M. S., (Univ. of Iowa), Ph. D., (Columbia University) is a consulting geologist of renown throughout the central west. He is a geologist of the State Geological Surveys of Iowa, Illinois, and Missouri, and is affiliated with geological work of national importance.

DEPARTMENTS At the present time four departments, graduation from any one of which is possible, exist at the Colorado School of Mines. These departments are: Mining, Metallurgy, Geology, and Petroleum Engineering. All of these departments act in conjunction with each other and for this reason there are required courses in each, which must be taken by students graduating in other departments.

The Department of Mining confers the Degree of Engineer of Mines. Professor Lester S. Grant, E. M. (Colorado School of Mines) is head of this department. It is the aim of this department to give the coming mining engineer the elementary work and general principles, as well as the detailed methods of mining, mine valuations, and mine management, upon which the science of present day mining is thoroughly dependent.

The Degree of Engineers of Metallurgy is conferred by the Department of Metallurgy of which Professor Irving A. Palmer, B. S., M. S., (Lafayette College) is head. The theory and practice of metallurgy is covered completely from general principles and study of production to a detailed study of the metallurgical processes of gold, silver, iron, steel, lead, copper, zinc, and cadmium. The department is very capably kept informed of all recent metallurgical developments.



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The Degree of Engineer of Geology is conferred by the department of Geology. The department is headed by Doctor F. M. Van Tuyl, A. B., M. S., (Univ. of Iowa), Ph. D., (Columbia Univ.). Geology in all its phases is covered in this department. The course includes General, Historical, Structural, Economic and Political Geology: Mineralogy, Petrology, Microscopic, Index fossils, and Oil and Gas. The student is also instructed in practical field work without which the Geologist and Mining Engineer are unable to cope with the greater problems of the science.

The Degree of Petroleum Engineer is conferred by the Department of Petroleum Engineering. Prof. Robert Carl Beckstrom, A. B., A. M. (Univ. of Oklahoma) is head of this department. The courses given cover all the branches of the science, from production to sale of products. Practical work is thoroughly emphasized in these courses, so that students are familiar with all modern field work.

Students are required to take inspection trips in order to graduate from any of these departments. These trips are of a varied nature, covering mining and metallurgy, chemistry, and geology. Industries throughout the entire state are visited in these trips. Sometimes trips are extended through Montana, Utah, and Wyoming.

The School of Mines has recently established a Mine Camp at Idaho Springs, Colorado, to give practical work in mining methods and mine surveying. Indeed, the Colorado School of Mines is at the present day keeping up the practical side of education, which fact has brought more students to it than any other mining school in the world.

An engineering unit of the R. O. T. C. was established at the school in the Fall of 1919. Students during the first two years are required to attend these classes. The fundamentals of military drill and engineering are obtained which are of lasting benefit to the student.

DEGREES AND GRADUATION REQUIREMENTS. The Degree of E. M. (Engineer of Mines), E. Met. (Engineer of Metallurgy), Geol. Eng. (Geological Engineer), P. E. (Petroleum Engineer), is conferred upon the graduate providing he fulfills the requirements of the curriculum in which he wishes to obtain a degree. He must complete all the work of the Freshman and Sophomore years, the required work of the Junior and Senior years, and in addition thereto enough work (elective) to make a total of eighty credit hours. (Only Junior and Senior work is considered as credit hours)

The degrees of M. S. (Master of Science), Sc. D. (Doctor of Science), Ph. D. (Doctor of Philosophy), or Dr. Eng. (Doctor of Engineering) may be conferred upon candidates who complete the requirements prescribed by the faculty and the Board of Trustees.

STUDENT COUNCIL The Student Council, composed of a body of representative students, exercises control over student activities and decides upon questions which affect the students as a whole. The body has a wide scope of authority.

The members of the student council are selected from various campus organizations. Each of the eight fraternities or social clubs has one representative and the non-fraternity men as a body are represented by four.



## Colorado School of Mines A Short Sketch--7

ATHLETICS The Colorado School of Mines became a member of the Rocky Mountain Conference in 1901. Since that time Mines has competed with the other schools of the conference in all the major sports and has made a record that the "Miners" may well be proud of. Although Mines has a smaller student body than any of the other seven colleges in the conference, it has won the football championship five times. In other sports, namely: Boxing, wrestling, basketball, baseball, and track, the School of Mines has had more than an equal share of the honors. But the winning of games, meets, or championships, is a small note compared to that "Mines Fight," which is shown every year and which is known throughout the Rocky Mountain States. It is conceded by all the other members of the conference that no Mines team ever enters the field without that traditional "fight to the whistle" spirit, which alone has carried Mines teams to victory against great odds.

REPUTATION Any college which draws students from a large wide-spread territory is broadened and benefited thereby. Of all the various classes of schools, the engineering school is perhaps the least provincial in its scope. What is true of an engineering school is especially true of a mining school whose student body is recruited from the four corners of the earth. For a short space of four years these men are associated, each influencing the others until the time comes for them to go forth to do their share in the advancement of science and in bringing the out of the way corners of the earth a little nearer to civilization. Such a school is, we believe, more cosmopolitan, more in touch with affairs of world interest, than the school which is restricted in the territory from which its students are drawn.

The Colorado School of Mines has students enrolled from every state in the Union. This is in itself a decided advantage. In addition there are at present thirty-eight men whose home is outside of the United States. Alaska, Mexico, Canada, Russia, South Africa, Brazil, and China are all represented, together with other European, South American, and Oriental countries.

The Colorado School of Mines is well and favorably known in the colleges of this country and the rest of the world. Every third man on the campus has attended some other college or university from one to four years before coming here to receive his degree or to take post-graduate work. The great majority of these men are, as would be expected, from the various colleges in this country. However, there is an appreciable percentage representing schools in Europe, South Africa, South America and the Far East. There are twenty or more men here taking research work who have obtained degrees from other places.

Since the war, America is beginning more and more to realize that she cannot live wholly within her own boundaries. If she is to maintain her standing among the nations of the earth she must go forth and compete with them in the world's markets. The engineer is the fore-runner of all these enterprises and there is and will be a constantly increased demand for "Miners."



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THE ALUMNI AND THEIR WORK

And now to pass on, from the various phases of the school and school life, to the life and activities of the alumni.

Graduates of the Colorado School of Mines are to be found in all corners of the globe. Their activities extend from the foremanship of mines in darkest Africa, to the heads of corporations or to the chief consulting engineers of foreign governments.

The opportunities which the engineer has for the understanding of the races of humanity are second to none. And thru this understanding the engineer has unlimited opportunities for the betterment of these races politically, socially, and financially. This he is doing today in China, India, and Africa, as well as in the metropolitan centers of the world. An example of such a mining engineer is Herbert Hoover, whose work, to alleviate the suffering in Europe, is known thruout the civilized world.

Another great mining engineer is John Hays Hammond. Let us quote a few extracts from a late interview with this famous engineer and inventor.

"There are certain advantages of the profession which make it particularly attractive to the American boy. There is a scope of pioneer work, of developing unknown lands, with all the adventures that go with it, the opportunity of invention and discovery; the chance of originality and the exercise of imagination.

"The engineer of the future will work in Mexico, South America, Siberia, in the mountains of the Balkans, and many a wild country that is now waiting developing, and in these lands he will have to do his preliminary work without rail transportation and with little in the way of modern conveniences.

"I think engineering will come to play a greater part in the affairs of the government--more, perhaps, in the executive than in the other departments than ever before. We are just beginning to recognize government as a vast engineering undertaking in which the fitness and the integrity of men are fundamental necessities.

"As a class the engineer may be said to be the most cosmopolitan of all people. He is at home in the far reaches of civilization and is equally at ease and sought after in the courts of kings. The outlook of the engineer upon his fellowmen is fraternal and his is the guiding and helping hand. Many of the greatest engineering feats of the world, as the situation of Panama, have been done at a personal sacrifice thru the spirit of brotherhood."

Some of the Alumni of The Colorado School of Mines:

Harace N. Atkins, Jr. .... '94  
Manager of the Prairie Oil and Gas Company  
Muskogee, Oklahoma.

Max W. Ball ..... '06  
President of the Ute Petroleum Company,  
Denver, Colorado



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- Arthur C. Begley.....'13  
Engineer, Anaconda Copper Company,  
Butte Montana
- Adolph Bregman ..... '14  
Managing Editor of "Metal Industry"  
New York City, New York
- R. L. Brown ..... '05  
Superintendent, San Francisco Mines of Mexico, Ltd.,  
Chihuahua, Mexico.
- James L. Bruce ..... '01  
General Manager of Davis-Daly Copper Company  
Butte, Montana
- G. Montague Butler ..... '02  
Dean, College of Mines and Engineering, Univ. of Arizona  
Director of Arizona Bureau of Mines  
Tuscon, Arizona
- Thos. B. Crowe ..... '01  
Foremost authority in America on Gold and Silver Metallurgy,  
Mill Supt. Portland Mining Company  
Victor, Colorado
- E. R. Crutcher ..... '14  
Superintendent, Anaconda Copper Mining Company,  
Great Falls, Montana
- LeRoy P. Curtis ..... '09  
Chief Engr. Harrison and Curtis Coal and Lime Co.,  
Newburgh, New York
- W. H. Craigue ..... '99  
Metal Valuation Engineer, Treasury Department,  
Washington, D. C.
- W. J. Eaton ..... '13  
Superintendent, Golconda Mines Company,  
Lake City, Colorado
- Frederick F. Frick ..... '08  
Research Engineer for the Anaconda Copper Mining Co.,  
Anaconda, Montana
- Lester S. Grant ..... '99  
Dean of the Faculty and Professor of Mining at the  
Colorado School of Mines
- G. L. Goodale ..... '04  
Professor of Metallurgy, School of Mines, Univ. of Pittsburg,  
Pittsburg, Pa.
- John Hays Hammond--Honm..... '09  
Foremost Consulting Engineer in America,  
New York City, New York



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- Hale W. Hardine, Hon ..... '17  
President of the "Hardinge Conical Mill Co.,  
New York City, New York
- James H. Hensley, Jr. .... '06  
Superintendent, Miami Copper Mine,  
Miami, Arizona
- I. W. Isom ..... '07  
Vice-President of Sinclair Refining Company,  
Chicago, Illinois.
- L. G. Johnson ..... '04  
Mine Superintendent, Federal Lead Company,  
Flat River, Missouri
- Wayne S. Kell ..... '07  
Professor Mining, Georgia School of Technology,  
Atlanta, Georgia
- F. P. Lannon ..... '03  
General Superintendent, United States Zinc Company,  
Sand Springs, Oklahoma
- Carl E. Leshner ..... '08  
Editor of "Coal Age,"  
New York City, New York
- Wallace Lee ..... '04  
Chief Geologist for the Government of Siam,  
Bangkok, Siam
- L. Blair Lockett ..... '09  
Chemical Testing Engr., International Smelting Company,  
Tooele, Utah.
- W. B. Lewis ..... '92  
President Oakdale Coal Company,  
New York City, New York
- Robert F. McElveney ..... '03  
Plant Manager, A. S. and R. Company  
Jerome, Nebraska
- George W. Nicholson ..... '00  
Superintendent, United Verde Extension Company,  
Jerome, Arizona
- H. G. Palsgrove ..... '03  
Manager, Smuggler-Union Mine Company  
Telluride, Colorado.
- Gerald B. Sheet ..... '01  
Asst. Director Development Dept. of E. I. DuPont  
de Nemours Company, Inc.,  
Wilmington, Delaware



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- A. C. Terrill ..... '05  
Professor of Mining, Pei Yan University,  
Tientsin, China
- L. R. Wallace ..... '95  
General Manager, Andes Copper Mining Company  
Antifiagasta, Chile
- Andrew Weiss ..... '99  
Project Manager, U. S. Reclamation Service,
- Harry J. Wolff ..... '03  
Prominent Consulting Engineer,  
New York City, New York
- H. G. Washburn ..... '04  
Manager, Federal Lead Company  
Flat River, Missouri



## FRATERNITY FIELD AT "MINES"

The present enrollment of the school is 475. Among this number there is much good fraternity material and room for fraternal expansion. There is one local and six national social fraternities at "Mines" as follows:

Sigma Nu

Beta Theta Pi

Sigma Alpha Epsilon

Sigma Phi Epsilon

Kappa Sigma

Mu Epsilon Tau (local)

Eta Omega Delta

and the Stray Greeks, an organization of fraternity men whose respective fraternities have no chapters at the Colorado School of Mines.

There are three national honorary fraternities at "Mines", viz:

Theta Tau

Tau Beta Pi

Sigma Gamma Epsilon

Since 1918 "Mines" has enjoyed a large and unprecedented growth. The need of another national fraternity upon the campus has always been felt. This need is especially felt now on account of this recent large increase in student enrollment. The opportunity for the institution of a national here is more propitious at present than ever before.



## HISTORY

The School of Mines Band owes its inception and its present high rating to Prof. Arthur E. Bellis.

In October, 1920, Prof. Bellis found himself situated rather permanently in the Colorado School of Mines Faculty. The school had no departments or facilities for the expression of the artistic instinct that moves all of us at various times. Prof. Bellis conceived it a worthy work to establish an outlet for aesthetic ebullitions. He caused to be posted a notice on the bulletin board which requested a meeting of all students who ever had played or even desired to play a band instrument. We met in the northwest corner of the Physics laboratory and this is now hallowed ground. The writer was the Honorable alto section. Eleven men responded to that first call. The band now numbers thirty-five men and no chair-warmers.

The first year of the band's existence was eked out under the gibes of the student-body at large who intimated, among other things, that no Sophomore had a chance to pass Physics unless he joined the band.

Records show that we played several concerts in Golden and the surrounding towns during the spring of 1921. The band has always played for all football games within a reasonable distance from Golden. In 1921 we decided to give monthly concerts after the football season. This program has since been adhered to conscientiously. The regular concert first became a duty and now it is a pleasure. The band is present at all public functions of any moment in Golden or Denver. Music Week in these two places always includes a concert by the Colorado School of Mines Band. Such recognition has not been sought. It has come as a reward for diligent effort. From the first the library was built up of standard numbers. No effort was ever devoted to popular music. Programs appended to this book are an index of the character and standing of the band. Usually the program is augmented by several numbers from some available artist. The concerts are extremely popular with the people of Golden and Denver.

The financial support of the band comes from two main sources; the students and the Board of Trustees. The students early accepted us as a school institution and voted support from additional semester fees. The Board has never refused such sums as have been deemed necessary to further development of the band. Support therefore comes from students who, as a class, are not over-supplied with funds and from a Board which has no money to spend on foolish whims. The band was a permanent institution before it received such support. When it was given it was given whole-heartedly. Our students and our Board are proverbially practical. They consider the band, as an advertising feature alone, well worth the money voted. Additional sums have been paid into the treasury by concert patrons. Each concert entails



incidental expenses and these are met by a patron whose name is placed upon the concert program. The writer ventures the assertion that Prof. Bellis' own pocket book came occasionally to the aid of the band during the dark days of 1920-21. A study of the financial statement will show that we are well equipped and financed, enviably so when compared to the average college band.

The Colorado School of Mines Band is here to stay. If there were days of doubt they have long since passed and are gone. Each year the fear has been expressed that this or that section would be extremely weak next season because some particularly good man was graduating. Each new year the groundless fears have been dispelled as new material comes to increase our strength rather than to diminish it. In the absence of new material, the second chair peck-horn artist takes his parts to the woodshed and the band goes on with a new solo alto. We who have been with the band from its inception (incidentally, we graduated last year) cannot conceive of a School of Mines without a School of Mines Band. We would much rather dispense with the Chemistry department. The band has done more to cement a real friendship between the citizens of Golden and the student-body than any factor which has ever before existed. Should unforeseen causes remove Prof. Bellis from the School of Mines, the band would continue its work, not alone as a memorial to his earnest accomplishment but also by reason of its own firm standing with the school and the community.



Colorado School of Mines  
Band

PROF. A. E. BELLIS, DIRECTOR

Music Week Concert

Monday, April 27, 8 P. M.  
Guggenheim Hall

Colorado School of Mines  
Band

PROF. A. E. BELLIS, Director

SECOND MONTHLY CONCERT  
1924-1925

Sunday, Feb. 8, 3 p. m.  
Guggenheim Hall



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GEORGE L. SHUE  
Denver, Colorado  
President

Born 1903  
Class 1926  
Entered Mines 1922  
Band (1), (2), (3)  
Glee Club (1)  
Prospector Staff (3)  
M. C. A. Cabinet (3)



ORAN L. PACK  
Rifle, Colorado  
Vice-President

Born 1904  
Class 1926  
Entered Mines 1922  
"M" Club  
Band (1), (2), (3)  
Basket Ball (1), (2), (3)  
Mu Epsilon Tau  
Sigma Gamma Epsilon



GEORGE W. THOMAS  
Cheyenne, Wyoming  
Secretary

Born 1903  
Class 1926  
Entered Mines 1922  
Band (1), (2), (3)  
Prospector Staff (3)  
Junior Prom Committee (3)  
Manager Tennis (3)  
M. C. A. Cabinet





DONALD I. GAHAGAN  
Pueblo, Colorado  
Treasurer

Born 1905  
Class 1927  
Entered Mines 1923  
Treasurer Sophomore Class  
Mu Epsilon Tau  
Theta Tau



DONALD F. AUSTIN  
Somersworth, New Hampshire  
Editor

Born 1904  
Class 1927  
Entered Mines 1923  
Band (1), (2)  
Wrestling (1)  
Sigma Nu



HAROLD WARREN HAIGHT  
Golden, Colorado

Born 1903  
Class 1926  
Entered Mines 1920  
Band (1), (2), (3)  
Mu Epsilon Tau





HARLAN E. SHORT

Born 1888  
Class 1924  
Entered Mines 1920  
Band (1), (2), (3), (4), (5)  
Sigma Phi Epsilon  
Sigma Gamma Epsilon



N. N. BELIAEFF  
Tomsk, Siberia, Russia

Born 1900  
Class 1927  
Entered Mines 1923  
Band (1), (2)



WENDELL MATHEWS  
Paonia, Colorado

Born 1903  
Class 1927  
Entered Mines 1923  
Band (1), (2)  
Asst. Boxing Manager  
Mu Epsilon Tau





Robert H. Wygle  
Keokuk, Iowa

Born 1897  
Class 1925  
Entered Mines 1921  
Band (1), (2), (3), (4)  
Football (1)  
A. A. E. (Treasurer)  
Phi Gamma Delta  
Sigma Delta Psi  
Sigma Gamma Epsilon  
Captain R. O. T. C.



George B. Kelly  
Minneapolis, Minnesota

Born 1903  
Class 1927  
Entered Mines 1923  
Band (2)  
Mu Epsilon Tau



Harold F. Brown  
Denver, Colorado

Born 1902  
Class 1927  
Entered Mines 1923  
Band (1), (2)  
Frosh Ball Committee  
Eta Omega Delta







Arthur Emmons Bellis

Director



Cecil B. Wilde  
Modesto, California

Born 1903  
Class 1927  
Entered Mines 1923  
Band (1), (2)



Richard Averill Claussen  
Cedar Rapids, Iowa

Born 1904  
Class 1927  
Entered Mines 1924  
Band (2)



Philip M. Gardner  
Golden, Colorado

Born 1905  
Class 1926  
Entered Mines 1922  
Band (1), (2), (3)





Francisco G. Jadquinn  
Manila, Philippines

Born 1902  
Class 1926  
Entered Mines 1922  
Band (1), (2), (3)  
Glee Club (1)





# CONSTITUTION OF THE MINES BAND CLUB

## ARTICLE I

### Section (a) NAME

The name of this society shall be the Mines BandClub

### Section (b) OBJECT

In order to promote good fellowship, scholastic standing, and a better appreciation of music, the Mines Band Club has been organized this sixth day of November, 1924.

## ARTICLE II

### Section (a) QUALIFICATIONS OF MEMBERS

Membership shall be limited to students of the Colorado School of Mines.

They must have an average of eighty per cent

They must attend ninety per cent of band practices or have acceptable excuses.

They must be sophomores, juniors or seniors

They must have unanimous ballot

### Section (b) MEMBERS OF THE FACULTY

Members of the faculty in band shall be honorary members

## ARTICLE III

### Section (a) OFFICERS

The officers of the society shall be a president, vice-president secretary-librarian, and treasurer.

### Section (b) ELECTION OF OFFICERS

The officers shall be elected by a majority vote of the active membership of the society.

In case of no election the two candidates receiving the greatest number of votes shall be the candidates during a new ballot.

The election of officers shall be held once each semester at the second meeting of that semester.

### Section (c) DUTIES OF OFFICERS

President: The president shall preside over all meetings, appoint committees unless otherwise instructed, and call special meetings when requested to do so by four members.

Vice-President: The vice-president shall preside in the absence of the president.

Secretary-Librarian: The secretary-librarian shall keep minutes of meetings, attend to all correspondence, take care of all books, papers, or music belonging to the organization, with the exception of the treasurer's books.

Treasurer: The treasurer shall handle all moneys of the organization and pay all bills voted payable.

## ARTICLE IV

### Section (a) MEETINGS

Regular meetings shall be held twice monthly, on the first and third Thursdays of each month.

Two-thirds of the active members shall constitute a quorum.



ARTICLE V

Section (a) FEES

A new member shall pay ten dollars into the society at the time of his election to membership.

Section (b) DUES

Dues shall be fifty cents a month during the period of active membership. Failure to pay dues during a semester automatically drops the member.

ARTICLE VI

Section (a) AMENDING THE CONSTITUTION

The amendment must be proposed at least one meeting before it is acted upon.

Ratification by three-fourths of the members present shall be necessary to amend this constitution.



FINANCIAL STATEMENT OF THE MINES BAND CLUB

November 30, 1924

\* \* \* \*

ASSETS

Property (instruments, uniforms, etc.) .....\$3,354.42

RECEIPTS

From student fees .....	\$1,827.00	
From contributions .....	335.00	
To cash on hand as per last report .....	<u>353.35</u>	\$2,515.35

DISBURSEMENTS

For general expenses .....	\$ 260.31	
For equipment .....	1,064.22	
For loan returned .....	400.00	
By balance cash on hand, Nov. 30, 1924 .....	<u>790.82</u>	2,515.35

Note: Since November 30, 1924, student fees have again swelled the treasury. Two new instruments and a few new uniforms have been purchased. Our final statement to April 1, 1925, is as follows:

Property .....	\$3,550.00	(approximately)
Cash on hand .....	1,342.26	



COLORADO  
SCHOOL OF MINES  
Golden, Colorado

Victor C. Alderson  
President

April 20, 1925

Kappa Kappa Psi:

We are very proud of our Mines Band as a whole and also of the individuals composing it. Professor Bellis is an excellent director whose efforts have been supported by every member of the Band. As a result, our Band is probably the best amateur band in Colorado. That they have made an effort to unite with a national fraternity is another reason for thinking of them as highly as I do. I am firmly of the opinion that a national organization will make no mistake whatever in granting them a chapter. Individually they are strong, dependable, and well typify the young American.

Trusting that the fraternity will grant their petition, I remain

Faithfully yours,

(Signed) Victor C. Alderson

VCA/MM



COLORADO  
SCHOOL OF MINES  
Golden, Colorado

Victor C. Alderson,  
President

Lester S. Grant  
Dean of the Faculty  
Professor of Mining

James Underhill,  
Association Professor  
of Mining  
Director of the School  
Mine

T. M. Bains, Jr.,  
Associate Professor  
of Mining

January 3, 1925.

Kappa Kappa Psi Fraternity,

Gentlemen:

The Colorado School of Mines Band is applying for a chapter of your fraternity. It is my belief that you will number among your chapters a no more worthy group of young men than those who are in our band. The band is now in its fifth year and its career has been marked by exceptional devotion to the ideals held forth by their leader, Professor Bellis.

Practices are held regularly twice a week and the band gives their services very willingly for all college activities in which it is invited to participate. Their monthly concerts at which they play nothing except classical music, have proven a great delight to citizens of Golden and have attracted many visitors from Denver. The record of attendance at practice is very exceptional for an extra curriculum activity and one that I do not believe is equalled by any other organization on the campus.

I cannot too highly recommend that this organization be admitted to membership in your fraternity.

Yours very truly,

(Signed) LESTER S. GRANT



COLORADO  
SCHOOL OF MINES  
Golden, Colorado

Victor C. Alderson  
President

A. E. Bellis  
Professor of Physics

H. E. Short  
Instructor of Physics

April 7, 1925

To Kappa Kappa Psi:

It gives me great pleasure to recommend to your consideration the members of the Colorado School of Mines Band. I have been associated with this organization as director for a period of five years and have always found them more than willing to do whatever was for the best of the band and the school. They are faithful, punctual, and courteous; willing to work hard on good music and possess far more ability than is usual in college bands. I have only words of praise for their loyal support of my efforts to have a high class college band.

Sincerely yours,

(Signed) A. E. Bellis



Sigma Nu Fraternity  
Gamma Eta Chapter  
Golden, Colorado

Golden Colorado  
April 10, 1925

Executive Council  
Kappa Kappa Psi Fraternity.

Gentlemen:

One of the best organizations on this campus is the Mines Band. This body of men, under the very capable leadership of Professor Bellis, has progressed by leaps and bounds during the last several years.

We are proud to say that we believe the Mines Band one of the best collegiate bands in this part of the country. This is not only the opinion of the students here, but of any one who knows anything about the organization.

Gamma Eta Chapter of the Sigma Nu Fraternity is proud of the Mines Band.

Sincerely yours,  
Gamma Eta of Sigma Nu.

(Signed) F. B. KINLEY  
Reporter



THE KAPPA SIGMA  
GAMMA GAMMA CHAPTER

Kappa Kappa Psi.  
Oklahoma City, Okla.

Gentlemen:

We understand that the "Mines Band Club"  
is petitioning your organization.

We would like very much to have a chapter  
of your organization at the Colorado School of Mines.

They have at all times shown their  
willingness to participate in all school activities  
and especially at inter-collegiate games. The Colorado  
School of Mines Band ranks first among those of the  
western colleges. It is noted for its monthly concerts  
given at Cuggenheim Hall.

The Bank is composed of the highest type of  
men in school. Several of its members are players  
on the different athletic teams of the school. They  
rank among the first scholastically.

We believe it would be a credit to your  
organization to have a chapter composed of this type  
of men and recommend them very highly to you.

Very truly yours,  
The Kappa Sigma Fraternity

(signed) W. DONALD WEIMER, PRES.

(signed) WALTER J. HULSEY, SEC.



SIGMA PHI EPSILON

COLORADO DELTA

Kappa Kappa Psi Fraternity,

Gentlemen:

We have lately been informed that the Colorado School of Mines Band intends to petition Kappa Kappa Psi for a charter. It gives us pleasure to recommend this Band as an earnest, hard working, and conscientious aggregation. They are deserving of recognition as students and as musicians. They have done more to solidify the traditional Mines spirit than any other organization on the campus. We heartily recommend them for your consideration.

Respectfully,

(Signed) D. S. WITHROW, Secretary.



BETA PHI  
of  
BETA THETA PI

Colorado School of Mines

Golden, Colo.

April 8, 1925

Kappa Kappa Psi.

Gentlemen:

We have been informed that the Colorado School of Mines band is petitioning for a charter in your fraternity. This band is one of the best organizations of its kind in the west and is very active in all of the school's affairs. The band makes numerous trips around the state and is always praised very highly by those who hear it.

In behalf of the fraternity I wish to recommend this organization very highly.

Very truly yours,

(Signed) JOHN S. MCGHEE



Eta Omega Delta  
Beta Chapter  
Golden, Colo.

April 9, 1925.

Executive Council,  
Kappa Kappa Psi Fraternity.

Gentlemen:

One of the most important integral activities of the Colorado School of Mines is the Mines Band. Not only is it well known and highly esteemed by other institutions in this region, but also it has the sincere support of every student on this campus: it has never failed to support the school in all its activities. The Band, under very competent management, has steadily grown from its inception to its present high status, thru the devotion of its members and the rigid, but correct discipline to which they have been subjected.

It is, therefore, a great pleasure to me, in behalf of my fraternity, to recommend the Colorado School of Mines Band as fully worthy of being incorporated with your organization.

Respectfully,

(Signed) GEO. E. NORRIS. Pres.  
Beta Chapter of Eta Omega Delta.



MU EPSILON TAU

TO WHOM IT MAY CONCERN:

This is to certify that the Colorado School of Mines Band is one of the foremost organizations of the Rocky Mountain Conference. Its activities include concerts, both in Golden and in Denver, and musical programs throughout the state. Following each performance, the praise the Band receives would do credit to a much larger organization.

I heartily indorse the Colorado School of Mines Band as one that would do great credit to any large national organization of which they may become a part.

(Signed) Frank E. Delahunty.  
Pres. Mu Epsilon Tau Fraternity

Golden, Colo.

April 12, 1925.



